

I/WE CLAIM

1. A head cover trimming system for cutting grass around a substantially ground level sprinkler head comprising:

a sprinkler head including a housing having a top cover portion and a buried body portion;

a head cap provided on the sprinkler head, said head cap including a main body portion fixed to the top cover portion of the housing, said main body portion including a top surface provided with a centering member; and

a cutting head system including:

a head member having a peripheral edge portion interconnected to a central hub through an intermediate web portion, said head member being adapted to extend about the sprinkler head;

a cutting element projecting from the peripheral edge portion of the head member;

a drive shaft member having a driven end portion extending to a driving end portion, said driving end portion being drivingly connected to the head member; and

a centering element extending within the head member and projecting beyond the cutting element, said centering element being adapted to engage with the centering member of the head cap to center the head member about the sprinkler head such that, upon application of a driving force to the driven end portion of the drive shaft, the head member rotates about the sprinkler head causing the cutting element to trim around the sprinkler head.

2. A cutting head system adapted to be rotated in order to trim around a head cover having a head cap provided with a centering member comprising:

a head member having a peripheral edge portion interconnected to a central hub through an intermediate web portion, said head member being adapted to extend about a head cover;

a cutting element projecting from the peripheral edge portion of the head member;

a drive shaft member having a driven end portion extending to a driving end portion, said driving end portion being drivingly connected to the head member; and

a centering element extending within the head member and projecting beyond the cutting element, said centering element being adapted to engage with the centering member of the head cap to center the head member about the head cover such that, upon application of a driving force to the driven end portion of the drive shaft, the head member rotates about the head cover causing the cutting element to trim grass growing around the head cover.

3. The cutting head system according to claim 2, wherein the centering member is constituted by a recess provided along the head cap.

4. The cutting head system according to claim 2, wherein the head member includes an outer peripheral side portion leading to an upwardly tapering intermediate web that extends to the central hub.

5. The cutting head system according to claim 3, wherein the intermediate web portion includes a plurality of vent openings wherein, upon application of the driving force to the drive shaft, said vent openings create an airflow to expel grass from under the head member.
6. The cutting head system according to claim 2, further comprising a spring member, said centering element being retractably mounted within the head member, with the spring member biasing the centering element outward from the head member.
7. The cutting head system according to claim 6, further comprising:
a centering element housing having a first end secured to the head member, a second end, and a hollow cylindrical main body portion extending therebetween;
a bearing element mounted within the centering element housing;
and
a centering element retainer supported within the centering element housing through the bearing element, said centering element retainer retractably positioning the centering element within the centering element housing with said head assembly being adapted to rotate relative to the centering element.
8. The cutting head system according to claim 2, wherein the head member is detachably mounted to the driven end portion of the drive shaft.

9. The cutting head system according to claim 2, wherein the cutting element is constituted by a substantially circular cutting blade, said cutting blade being detachably secured to the peripheral edge portion of the head member.

10. The cutting head system according to claim 2, further comprising: a cutting element holder, said cutting element holder having a first edge portion detachably secured to the head member and a second edge portion defining a cutting blade receiving recess.

11. The cutting head system according to claim 10, wherein the cutting element holder includes a plurality of tab members projecting from the first edge portion and the head member includes a corresponding plurality of slots arranged about the outer peripheral edge portion, said plurality of tab members being adapted to engage with corresponding plurality of slots to position the cutting element holder relative to the head member.

12. The cutting head system according to claim 10, wherein the cutting element is constituted by a circular blade having a first edge portion including a plurality of cutting teeth leading to a second edge portion mounted within the cutting blade receiving recess of the cutting element holder.

13. The cutting head system according to claim 2, wherein the head cover constitutes a sprinkler head cover.

14. A head cap for use in connection with trimming about a substantially ground level head cover comprising:

a main body portion adapted to be fixed to a ground level head cover, said main body portion including a top surface; and

a centering member provided on the top surface of the main body portion, said centering member being adapted to engage with a centering shaft of a grass trimmer to center the grass trimmer over the head cover.

15. The head cap according to claim 14, wherein the centering member is constituted by a recess provided along the top surface of the main body portion.

16. The head cap according to claim 14, wherein the top surface of the main body portion includes a mounting plate recess for mounting an information plate.

17. The head cap according to claim 14, wherein the centering member is constituted by a substantially cylindrical recess.

18. The head cap according to claim 17, wherein the central recess includes an upper tapered portion extending to a cylindrical bore.

19. The head cap according to claim 18, wherein the cylindrical bore leads to a terminal end portion.

20. A method of trimming around a ground level head cover comprising:

centering a cutting head member, including a cutting blade, over the ground level head cover by engaging a retractably mounted centering element, attached to the cutting head member, with a centering member on the ground level head cover;

shifting the cutting head downward, with the centering element retracting into the cutting head member to allow the cutting blade to be positioned about the ground level head cover;

rotating the cutting blade about the ground level head cover; and
lifting the cutting head member from the sprinkler head.

21. The method of claim 20, further comprising: biasing the centering element to an extended position wherein the centering element projects beyond the cutting blade.